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APPROVAL OF UNDP ASSISTANCE TO A PROJECT OF
MYANMAR

IPF:(1987-91) $83 400 000

(MYA/81/003) - Pilot Watershed Management for Kinda Dam
(Supplementary Assistance)

Date of approval by the AC:[1/]	17 April 1991
Expected duration:	Four years
Proposed executing agency:	FAO
Government implementing agency:	Forest Department (Ministry of Agriculture and Forests)
Proposed UNDP contribution:	$1 299 000 Source of Funds: IPF
Previous UNDP contribution:	$2 005 900
Total UNDP budget:	$3 304 900

Project background

Unsustainable land use practises are causing accelerated degradation in many watersheds in Myanmar. Traditionally in the uplands, shifting cultivation is the only form of subsistence agriculture undertaken by the hill tribes. Excessive timber/fuelwood removals, fires, overgrazing and poor soil management are causing adverse downstream effects such as human hardship and inadequately used land resources for development; rapid silting of reservoirs, river beds, and irrigation canals; droughts; increased frequency and severity of floods that damage croplands, human settlements and infrastructure, as well as a deterioration in potable water quality. In urban centres, particularly Yangon, an impairment in water quality and quantity are major concern of the 3 million city dwellers and the Government.

Productivity of irrigation agriculture, the economic viability of dams and other investment infrastructures and environmental stability are inextricably linked to upstream land use practises. Recognizing this, the Government places high priority on watershed management at all levels, but lacks the institutional and technical capacity to cope with its watershed management problems. This project was first approved in 1986 to assist the Government to develop an integrated watershed management strategy, create a national cadre of expertise for securing sustained productivity of forest land, improve the living standards of both hill tribes and low land farmers through agro-sylvo-pastoral production systems and conservation measures. To this end, the Kinda Dam Watershed was selected as a pilot watershed. Some impressive results were achieved. Infrastructure such as base camps, nurseries for plant production, installation of monitoring equipments, establishment of

[1/] **This Fact Sheet reflects the status of the project/revision at the time it was approved by the Action Committee; modifications to the project/revision may have occurred subsequently.**

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research plots and some physical, biological, socio-economic studies were initiated.

The tripartite review meeting held in November 1990 supported the recommendations of the evaluation mission of November 1990 and proposed that the project should be revised to assist Government in the restoration of the Pugyi watershed, one of the major water supply sources to Yangon and the hydrological survey of the Inle Lake.

Description of project

The immediate objectives of the project are to: (a) rehabilitate of the Pugyi sub-watershed; (b) conduct hydrological investigations in Inke Lake; (c) establish incentives for Shan hill farmers and inclusion of activities as recommended by the evaluation mission like conservation farming, selection of model demonstration villages and organization of in-service training for farmers; and (d) identify and evaluate of critical watersheds throughout the country as a basis for national follow-up.

Project activities will include: (a) evaluation of critical watershed areas in the country and development of a national watershed management strategy; (b) expansion of the project activities to other two watersheds identified as critical i.e. Pugyi watershed and Inle Lake; (c) inclusion of a grassroots development element into the project through community participation and self help programmes for local farmers to increase their incomes and improve their land use practices.

Inputs

UNDP will provide 18 work-months CTA/soil and water conservation expert, six work-months for watershed management planner, three work-months for a hydrologist, three work-months for a farm product handling specialist, three work-months for a marketing specialist; 1.5 work-months for a farm credit specialist, 18 work-months for a conservation farming/extension specialist, 12 work-months for a training specialist; technical training in watershed management, hydrological monitoring systems, afforestations, and agro forestry techniques; fellowships and study tours; expendable and non-expendable equipment.

Financial data

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Personnel	624 200
Subcontract	30 000
Training	219 500
Equipment	309 500
Miscellaneous	115 800
Total	1 299 000

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